RESIDENCE
STEEL CASEMENTS

APRIL 1947
EASTERN TERRITORY

Fenestra

RESIDENCE CASEMENTS • BASEMENT WINDOWS • UTILITY WINDOWS

RESIDENCE CASEMENTS

Residence Casement type 2423 with screens

FENESTRA Residence Steel Casements are used in houses of many sizes, types of construction, and styles of design; in apartments and housing projects; in dormitories and hotels, in various types of commercial buildings requiring fire-retarding materials.

Their slender, graceful lines beautify both the outside and the inside. Units are easily combined to form large windows of distinctive charm.

Exterior appearance is preserved by the use of inside screens almost invisible from without. Screens are attached or removed quickly, safely; identical sizes are interchangeable, need no marking or numbering; are longer lasting, protected from weather, dirt. Ventilators are operated without touching screens.

Many additional conveniences are provided: more daylight, better ventilation, superior weathertightness, safe cleaning, etc., as pictured below. Vents that swing instead of slide, made of steel (no warping, swelling, sticking) make easy operation permanent.

Fenestra Casements may be installed with the use of Steel Fins, of Wood Fins, of Wood Surrounds, or of Wood Casings, as shown on pages 5 to 7.

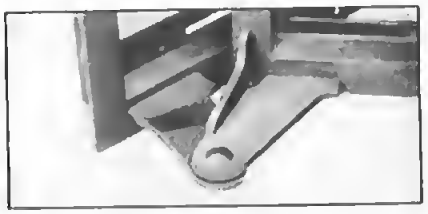
Residence Casement types and sizes shown on the opposite page are for Eastern territory only. For West Coast territory, see your local representative for types, sizes, and specifications.

ATTRACTIVE, EFFICIENT HARDWARE

Handle Part 7-E

Lever Adjuster Part 9-E

Roto Adjuster Part 10-E



Hinge Port 202

SOME ADVANTAGES OF FENESTRA CASEMENTS

More Daylight

Better Ventilation

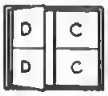
Easier Opening

Safer Cleaning

Better Screens

2'-2"

1212



2212-N

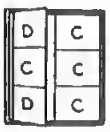
2222

C-33111
BULLSEYE

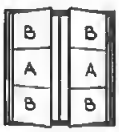
GLASS FOR BULL'S-EYE WINDOW CUT TO TEMPLATE. CONSULT D.S.P. CO. FOR SIZES.

3'-2⅜"

1313



2313-N



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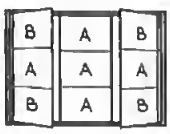

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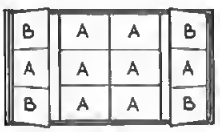
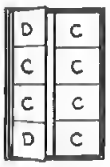


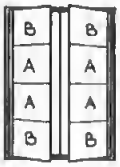
4323

4'-2⅝"

1414



2414-N



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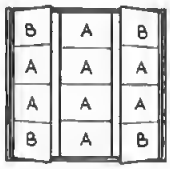

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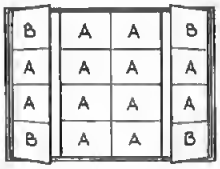
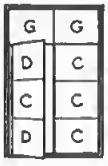


4424

4'-2⅝"

1413



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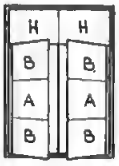

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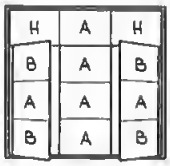

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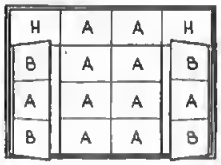
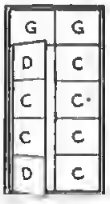


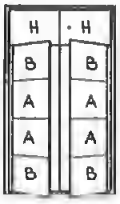
4423

5'-3"

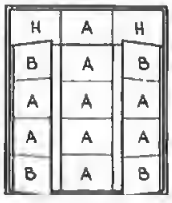
1514
1'-7⅛"



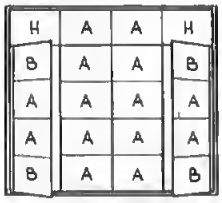
2514-N
2'-7⅝"



2524
* 3'-1"



3524
4'-5⅛"



4524
5'-9⅜"

2'-7⅝"

2'-8⅜"

KITCHEN WINDOW

2313-K

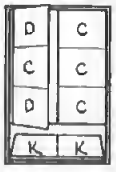
3'-6⅝"

DORMER WINDOW

2414-D

2'-7⅝"

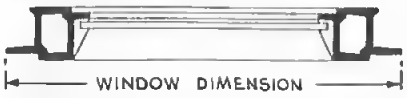
4'-2⅝"



2413-5-2-N
BED ROOM WINDOW
ALTERNATE TO TYPE 2414-N

*3'-1" WIDE TYPES ARE ALSO AVAILABLE WITH SINGLE SWING LEAF. CONSULT REPRESENTATIVE FOR NOMENCLATURE AND GLASS SIZES.

ALL TYPES SHOWN ARE AVAILABLE FOR SHIPMENT FROM ALL WAREHOUSES. FIXED (NON-OPENING) WINDOWS ARE AVAILABLE IN ALL SIZES SHOWN.... WINDOWS WITH SINGLE SWING LEAF MAY HAVE HINGES ON EITHER RIGHT OR LEFT SIDE (VIEWED FROM THE OUTSIDE). IN ORDERING, ALWAYS INCLUDE THE SUFFIX "R" (HINGED AT RIGHT) OR "L" (HINGED AT LEFT), THUS 1413-R or 1413-L.



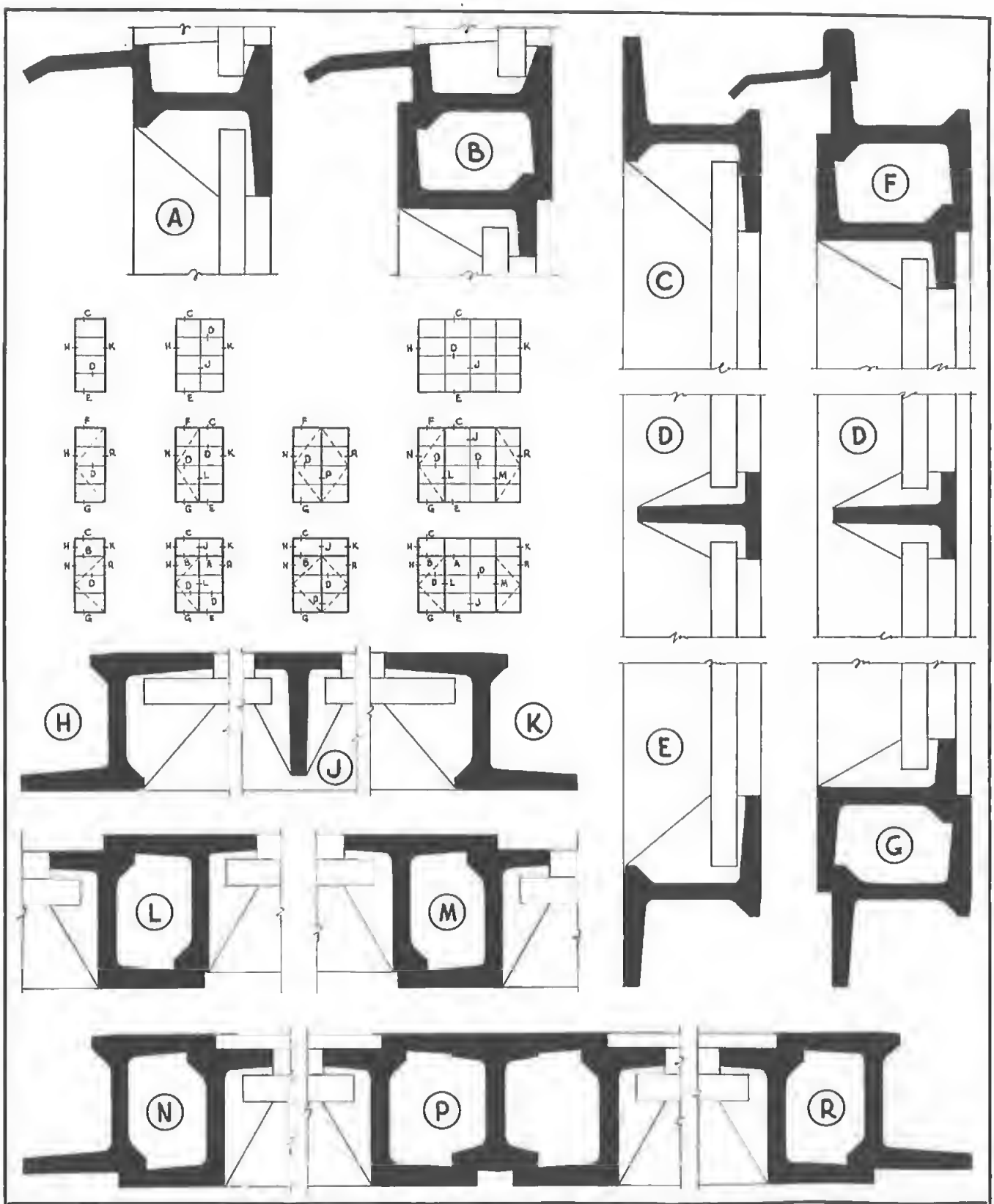
DIMENSIONS SHOWN ARE ACTUAL WINDOW SIZES. FOR CLEARANCE TO MASONRY OR ROUGH OPENING, SEE INSTALLATION DETAILS.

GLASS SIZES	
Letter	Sizes
A	16" x 12"
B	16" x 11⅝"
C	14" x 12"
D	14" x 11⅝"
E	14" x 10"
F	14" x 9⅜"
G	14¾" x 12"
H	17¼" x 12"
K	14" x 10½"

RESIDENCE CASEMENTS—TYPES AND SIZES

RE-106

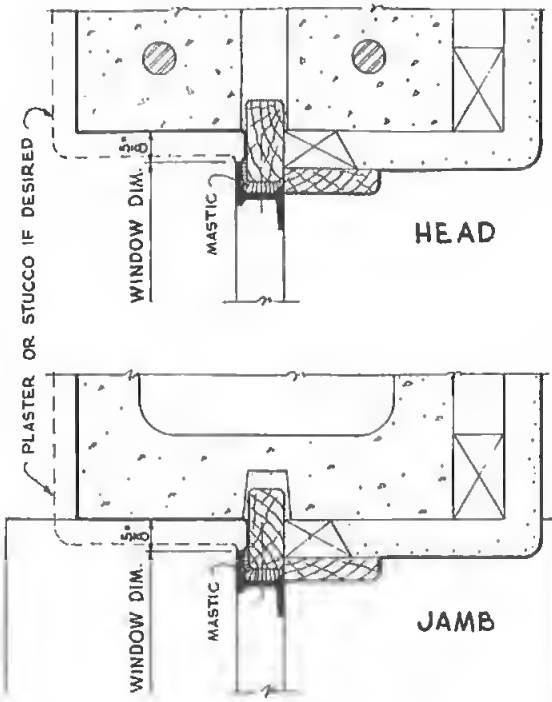
Above types and sizes are for Eastern territory. For types and sizes for West Coast region (*Washington, Oregon, California, Idaho, Nevada, Utah, Arizona and Montana*) consult a local representative.



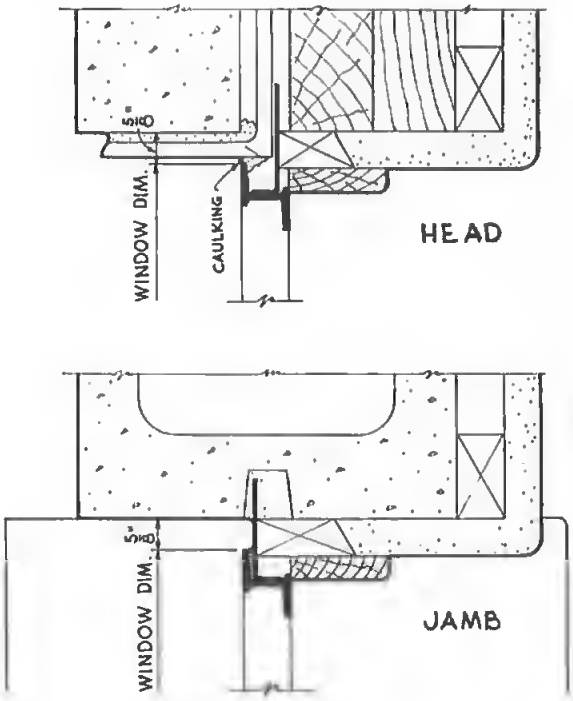
RESIDENCE CASEMENTS—SECTIONS **RE-108**

CONCRETE BLOCK CONSTRUCTION

WITH WOOD FIN

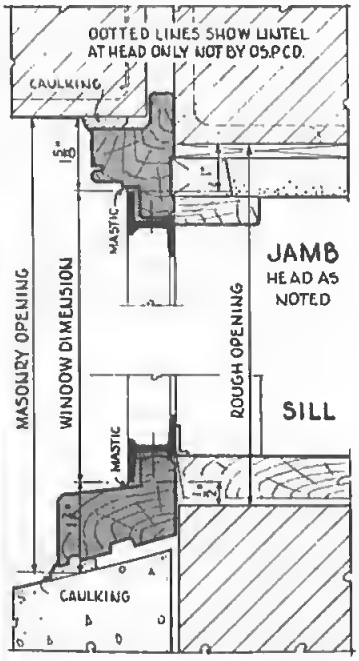


WITH STEEL FIN

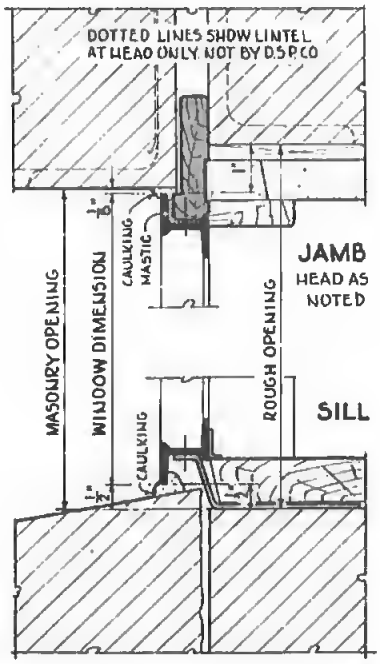


SOLID BRICK CONSTRUCTION

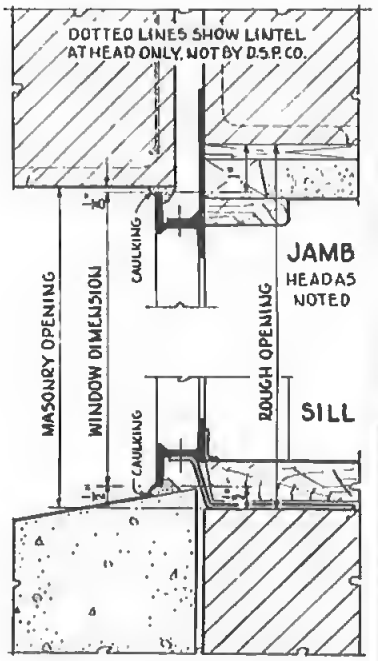
WITH WOOD SURROUND



WITH WOOD FIN



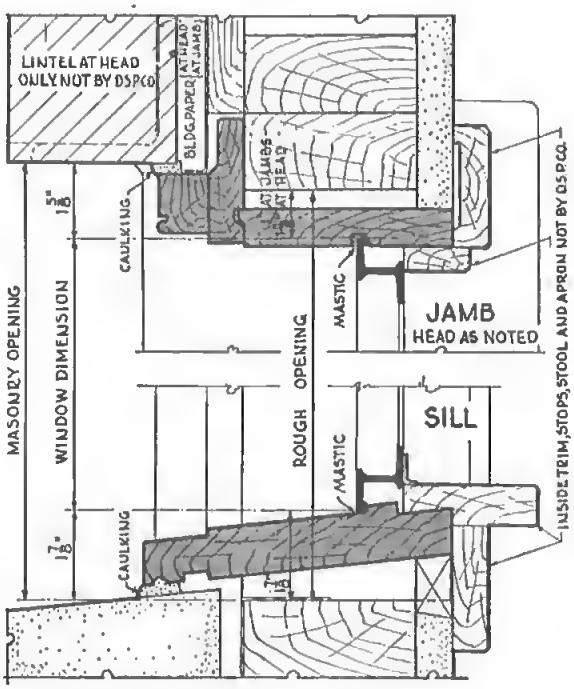
WITH STEEL FIN



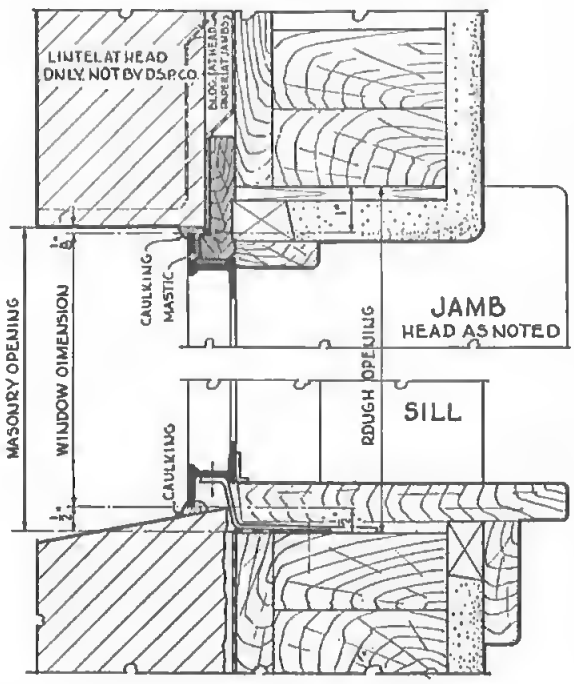
SEE NOTE ON PLATE RE-104 FOR INFORMATION ON MASTIC, CAULKING, ERECTION, ACCESSORIES AND FITTINGS AND OTHER MATERIALS SUPPLIED OR NOT SUPPLIED BY DETROIT STEEL PRODUCTS COMPANY.

RESIDENCE CASEMENTS—IN MASONRY **RE-109**

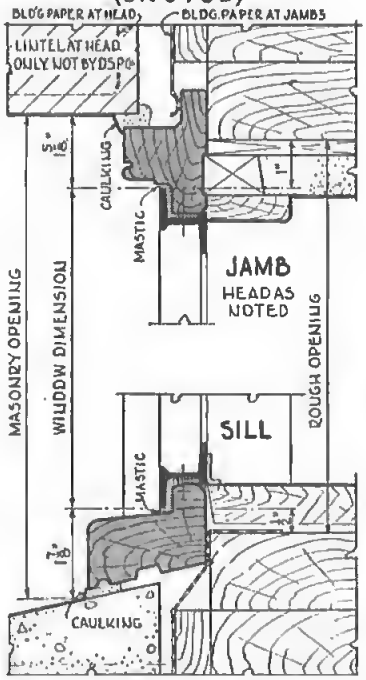
WOOD CASING
(ON STUD)



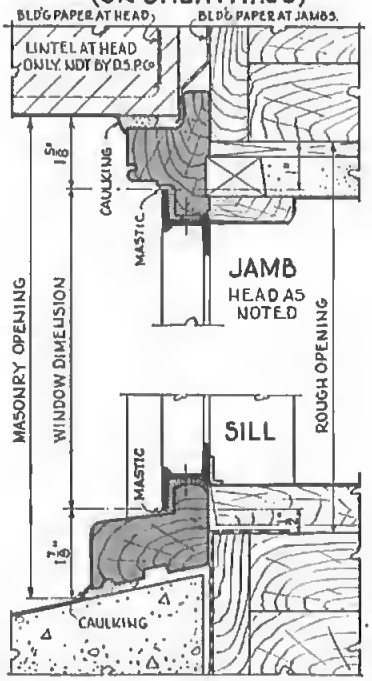
WOOD FIN
(ON SHEATHING)



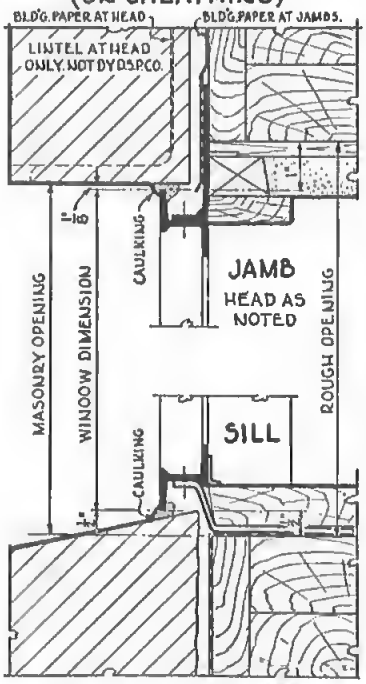
WOOD SURROUND
(ON STUD)



WOOD SURROUND
(ON SHEATHING)



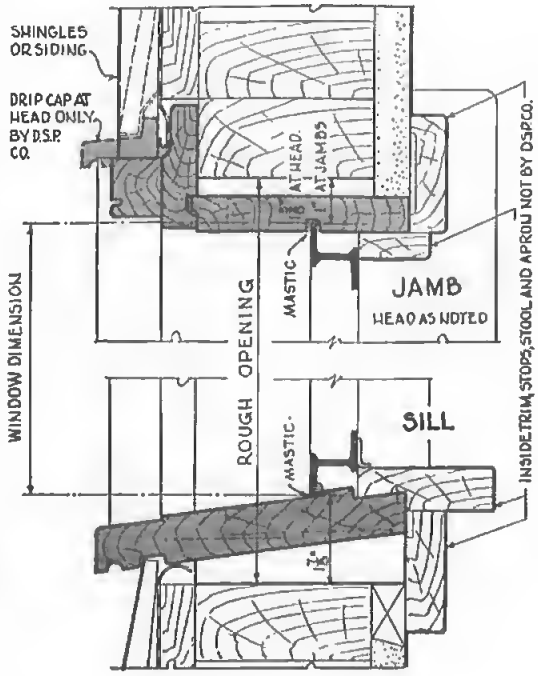
STEEL FIN
(ON SHEATHING)



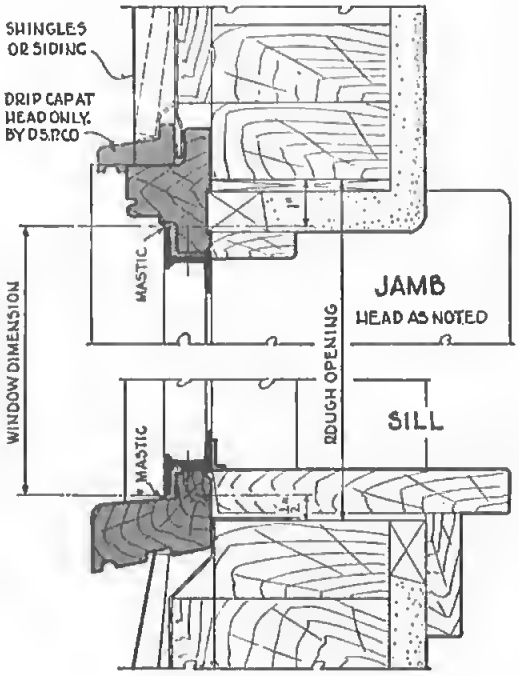
SEE NOTE ON PLATE RE-104 FOR INFORMATION ON MASTIC CAULKING, ERECTION, ACCESSORIES AND FITTINGS AND OTHER MATERIALS SUPPLIED OR NOT SUPPLIED BY DETROIT STEEL PRODUCTS COMPANY.

RESIDENCE CASEMENTS—IN BRICK VENEER **RE-103**

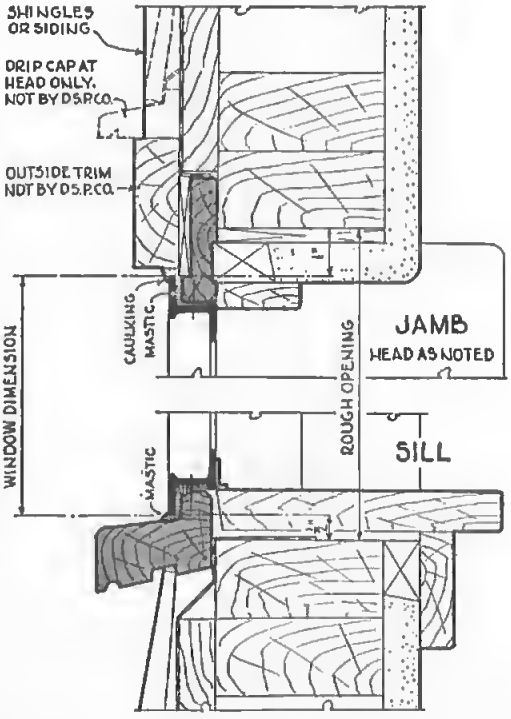
WOOD CASING (ON STUD)



WOOD SURROUND (ON STUD)



WOOD FIN (ON STUD)



GENERAL NOTE: ALL DETAILS.

WOODCASINGS: DETAILS SHOWING WOOD CASINGS APPLY TO EITHER COMPLETE "PACKAGED" WINDOWS OR ANY RESIDENCE CASEMENT INSTALLED WITH FENESTRA WOOD CASING AS DESCRIBED ON TEXT PAGES. ONLY THOSE MEMBERS SHOWN SHADED ARE SUPPLIED BY D.S.P.CO. SEE PARAGRAPHS BELOW REGARDING MASTIC AND CAULKING.

WOOD SURROUNDS AND WOOD FINS: SUPPLIED ONLY WHEN SPECIFIED ON ORDER. ONLY THOSE MEMBERS SHOWN SHADED ARE SUPPLIED BY D.S.P.CO. SEE PARAGRAPHS BELOW REGARDING MASTIC AND CAULKING.

STEEL FINS: SUPPLIED ONLY WHEN SPECIFIED.

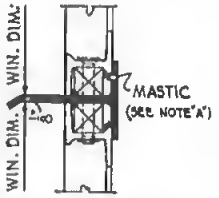
OTHER ERECTION FITTINGS: STANDARD INSTALLATIDN FITTINGS ARE INCLUDED IN WINDOW PRICES AND SHIPMENTS. INFORMATION ON BUILDING CONSTRUCTION AND INSTALLATION METHDD SHOULD ACCOMPANY ORDER. FLASHING, BUILDING PAPER, STRUCTURAL LINTELS, BLOCKING, WOOD STOPS, STOOLS, APRONS, INSIDE TRIM, ETC., NOT SUPPLIED BY D.S.P.CO.

MASTIC: SHOWN THUS ▤ TO BE SUPPLIED AND APPLIED BY WINDOW ERECTORS. WHERE WOOD CASINGS, WOOD SURRDUNDS DR WDOD FINS ARE USED, MASTIC TO BE APPLIED AS SHOWN WHEN WOOD MEMBERS ARE ATTACHED TO CASEMENTS. D.S.P. WILL APPLY MASTIC ONLY WHEN WOOD MEMBERS ARE SHIPPED ATTACHED. MASTIC SUPPLIED AT EXTRA COST WHEN WOOD MEMBERS ARE SHIPPED UNATTACHED.

CAULKING: SHOWN THUS ▩ NOT SUPPLIED OR APPLIED BY D.S.P. CO. PROVIDE FOR SAME IN OTHER SPECIFICATIONS OR CONTRACTS

INSTALLATION GUIDE: SHIPPED ATTACHED TO CASEMENT SILL MEMBER AS SHOWN AT RIGHT. PROTECTS HOLES FOR ATTACHING CASEMENT OPERATOR AND LOCATES TOP OF STOOL. REMOVE BEFORE ATTACHING OPERATOR.

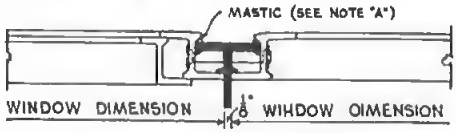
RESIDENCE CASEMENTS—IN FRAME CONSTRUCTION RE-104



HORIZONTAL T-BAR MULLION

NOTE "A"

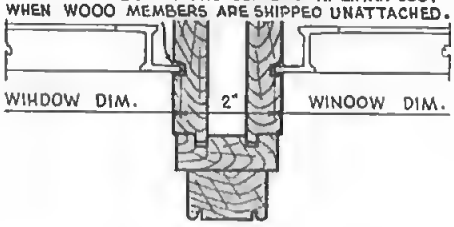
STEEL T-BAR MULLIONS USED FOR COMBINATIONS OF WINDOWS IN THE SAME PLANE ONLY (SEE TABLE AT RIGHT). MASTIC SHOWN THUS ▬ SUPPLIED (AT EXTRA COST) ONLY WHEN SPECIFIED; TO BE APPLIED BY THE WINDOW ERECTORS.



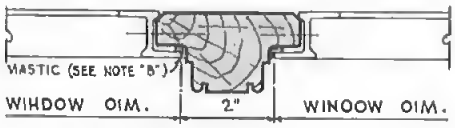
VERTICAL T-BAR MULLION

NOTE "B"

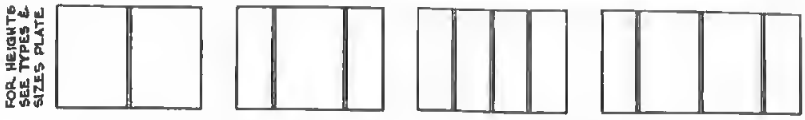
MASTIC WHERE INDICATED THUS ▬ WILL BE APPLIED BY D.S.P. CO. ONLY WHEN WOOD MEMBERS ARE SHIPPED ATTACHED. MASTIC SUPPLIED AT EXTRA COST WHEN WOOD MEMBERS ARE SHIPPED UNATTACHED.



WOOD CASING MULLION



WOOD SURROUND MULLION



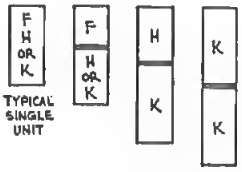
SOME TYPICAL WIDTH COMBINATIONS OF UNITS

SEE TABLE BELOW FOR OTHER ARRANGEMENTS AND FOR OVERALL WIDTH DIMENSIONS.

SINGLE WINDOW UNITS SHOWN ON TYPES AND SIZES PLATE MAY BE COMBINED TO FILL WIDER WINDOW OPENINGS BY JOINING TOGETHER WITH VERTICAL T-BAR MULLIONS (SEE DETAIL). A FEW TYPICAL WIDTH COMBINATIONS ARE SHOWN IN TABLE. WIDTH COMBINATIONS SHOWN SHOULD INCLUDE ONLY UNITS OF THE SAME GLASS HEIGHTS.

WIDTH COMBINATIONS WITH T-BAR MULLIONS

WIDTHS OF SINGLE UNITS	UNITS WIDE	VERT. MULLS.	ARRANGEMENT OF UNITS IN OPENING	OVERALL * WIDTH DIM.
SYMBOL WIDTH	3	2	A - B - A	5'-10⅛"
A - 1'-7⅛"	2	1	C - C	6'-2⅛"
B - 2'-7⅛"	3	2	A - C - A	6'-3½"
C - 3'-1".	4	3	A - A - A - A	6'-4⅞"
D - 4'-5⅛"	3	2	B - B - B	7'-11⅛"
E - 5'-9⅜"	5	4	A - A - A - A - A	8'-0⅛"
	3	2	B - C - B	8'-4½"
* THESE WIDTHS ARE OVERALL WINDOW DIMENSIONS INCLUDING MULLIONS	4	3	A - B - B - A	8'-5⅞"
	2	1	D - D	8'-10⅜"
	3	2	C - C - C	9'-3¼"
	4	3	A - C - C - A	9'-4⅜"



TYPICAL HEIGHT COMBINATIONS

TABLE OF HEIGHT COMBINATIONS

SINGLE UNITS SYMBOL HEIGHT	SINGLE UNITS IN COMBINATION	OVERALL HEIGHT DIMENSION *
F - 2'-2"	F + H	5'-4½"
H - 3'-2⅜"	F + K	6'-4¾"
K - 4'-2⅜"	H + K	7'-5⅛"
	K + K	8'-5⅜"

* OVERALL WINDOW DIMENSIONS INCLUDING MULLIONS.

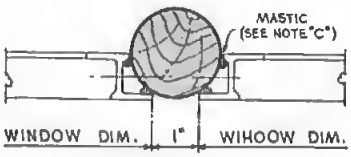
SINGLE WINDOW UNITS SHOWN ON TYPES AND SIZES PLATE MAY BE COMBINED TO FILL HIGHER WINDOW OPENINGS BY JOINING TOGETHER WITH TRANSOM BARS (HORIZONTAL T-BAR MULLIONS) - SEE DETAIL. A FEW TYPICAL HEIGHT COMBINATIONS ARE SHOWN IN ABOVE TABLE.

SOME 4'-2⅜" HIGH UNITS AND ALL 5'-3" HIGH UNITS HAVE FIXED TRANSOMS IN SWING LEAF TYPES (SEE TYPES AND SIZES PLATE). SUCH UNITS ARE NOT RECOMMENDED IN VERTICAL COMBINATIONS.

ANY WIDTH COMBINATION CAN BE COMBINED WITH ANY HEIGHT COMBINATION FOR LARGE BAYS.

FOR OVERALL DIMENSIONS OF COMBINATIONS NOT COVERED IN TABLES ABOVE, ADD TOTAL OF WINDOW DIMENSIONS OF UNITS INCLUDED, PLUS ⅛" FOR EACH MULLION OR TRANSOM BAR REQUIRED.

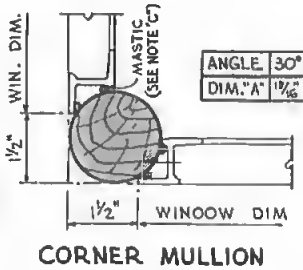
ROUND WOOD CORNER AND BAY MULLIONS



STRAIGHT MULLION

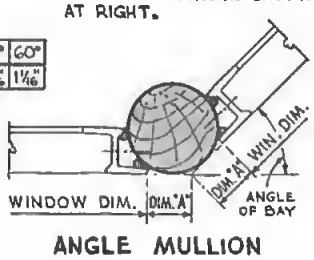
NOTE "C"

D.S.P. CO. MULLIONS ARE NOT DESIGNED TO SUPPORT ANY BUILDING CONSTRUCTION. MASTIC SHOWN THUS ▬ SUPPLIED (AT EXTRA COST) ONLY WHEN SPECIFIED; TO BE APPLIED BY WINDOW ERECTORS. ROUND WOOD MULLIONS MAY BE USED IN COMBINATIONS AS SHOWN AT RIGHT.



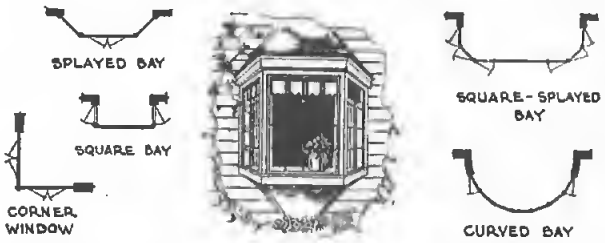
CORNER MULLION

ANGLE	30°	45°	60°
DIM. "A"	1⁹⁄₁₆"	1¹⁵⁄₁₆"	1¹⁄₁₆"



ANGLE MULLION

COMBINATIONS FOR BAY AND CORNER WINDOWS



RESIDENCE CASEMENTS MAY BE COMBINED TO FORM CORNER OR BAY WINDOWS AS SUGGESTED ABOVE. SUCH COMBINATIONS REQUIRE THE USE OF PIPE, WOOD OR STRUCTURAL MULLIONS (T-BAR MULLIONS CANNOT BE USED). CONSULT FENESTRA REPRESENTATIVE.

RESIDENCE CASEMENTS—COMBINATIONS RE-102

Fenestra Casements insure light and airy interiors in your home

SPECIFICATIONS FOR RESIDENCE CASEMENTS

1. GENERAL—All windows shall be Fenestra Residential Steel Casements of standard types and sizes as manufactured by the Detroit Steel Products Cnmpany, Detrnit, Michigan.

2. MATERIAL—Sections shall be hnt-rnlled, snlid steel bars. Frame and casement leaf members shall be especially designed Z-sections, not less than 1 inch deep, with weathering baffles rnlled integrally to provide continuous double cnntact between the frame and casement leaf members.

3. CONSTRUCTION—Cnrners shall be mitered, electrically butt-welded and "forged" (not ground) tn prnvide a smooth finish inside and nut, witbnut lnss nf metal. Head drips shall be provided where casement leaves extend to the top nf the windnw. The frame members shall be prepared for the attachment of screen fittings. All casement leaves shall be side-hinged to open out, and be equipped with cleaning type hinges.

4. HARDWARE—Each casement leaf shall have nperating adjusters at the sill, securely attached to the frame member and designed to open and close the window without touching the screen, and shall be equipped with a cam action locking handle that will securely lock the casement leaf tn the frame.

5. BONDERIZING AND PAINTING—All windnws shall receive the standard Fenestra Bonderized finish, which includes thnrough cleaning in pressure sprays of hnt alkali and hot water, unifnrm etching in Bonderite chemicals, dip-application nf a special primer, and oven-drying for at least 30 minutes in a temperature of not less than 300° F. To insure unifnrmity, this entire process of cleaning, Bonderizing, prime-painting and oven-drying shall be cnntinuous and automatic, withnut manual handling. (*Fenestra Bonderizing not available on Pacific Coast*).

6. SCREENS—Screens shall be designed for easy, quick attachment and removal, without tools, from the inside nf the rnnm. A separate screen shall be supplied fnr each casement leaf. Frames shall be cold-rolled steel, Bonderized and painted with gray primer, dipped nn and baked dry. Screen clnth shall be fine mesh, bronze lacquer finish, special wire. (Screens with brnnze wire cloth are available at slight additinnal cost.) All screen fittings shall be Bonderized and painted.

RELATED ITEMS

ERECTION—(*To be inserted in the specification (carpenter-masonry-iron work).*) All windows shall be set plumb and true, withnut springing or fnrcing, strictly in accordance with the manufacturer's recommendations.

GLASS AND GLAZING—(*To be inserted in the General Glazing Specifications.*) All windows shall be putty-glazed on the outside with steel casement putty. Glass shall be carefully bed-puttied and face-puttied in a neat manner, with steel glazing clips prnvided by the glazing contractor.

FIELD PAINTING—(*To be inserted in the General Painting Specifications.*) Prior to, nr immediately after, erectinn, and before glazing, steel windows shall receive one coat nf apprnved paint. A second coat shall be applied after putty has dried and set.

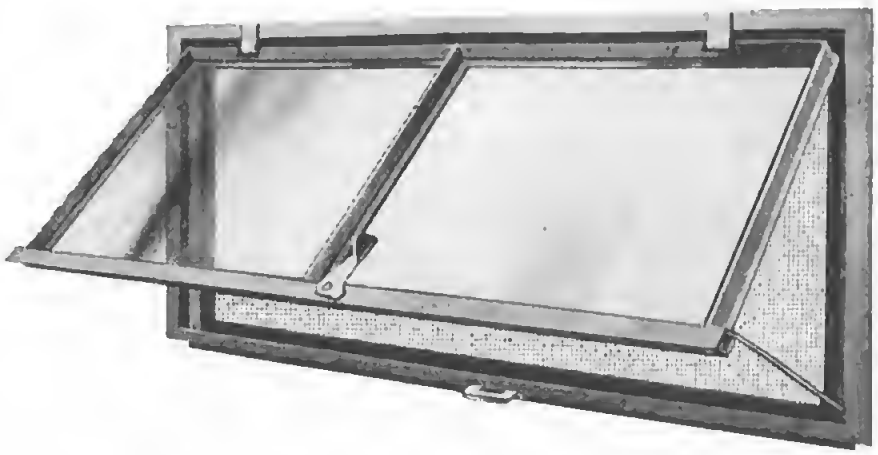
CAULKING—(*To be inserted in the General Masonry Specifications.*) All jnints between windnws and surrounding construction sball be carefully and thorougbly caulked with an apprnved caulking compound by the masonry contractnr.

BASEMENT WINDOWS

FENESTRA'S new Basement Window is a slender all-steel window that is designed for long life and easy operation.

Removable sash is one of the conveniences offered in Basement Windows. Sash may be lifted from two hinges at top. This allows quick removal for glazing or for entering material through window.

Fenestra Basement Windows are completely assembled, prime painted and ready to install. All hardware is attached. Installed in quick time, they save construction costs. They are not affected by ground moisture.



Basement window with screen. Vent held open by stay-bar.

MANY ADVANTAGES OVER ORDINARY WINDOWS

Wood Window (left) Steel Window (right)

MORE DAYLIGHT— Large glass areas, allowed by narrow steel sections, bring more daylight to each basement room.

BETTER VENTILATION—Slender frames use little window space, leaving large openings for entrance of fresh air. Basement is well ventilated, free of dampness.

EASIER OPENING—Made of steel, the sash always operates easily. Weather conditions do not cause steel to change its shape by drying out or absorbing moisture.

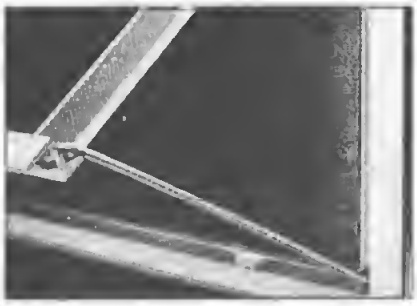
GOOD WEATHERING— Firm contact between sash and frame assures weather-tightness. Protection from outside cold is permanent: steel never warps, swells or shrinks.

CONVENIENT SCREENING—Fenestra All-Metal Screens are quickly attached or removed. Interchangeable in windows of same size, they need not be marked when removed for storage. All Fenestra Basement Windows are prepared for attachment of these screens.

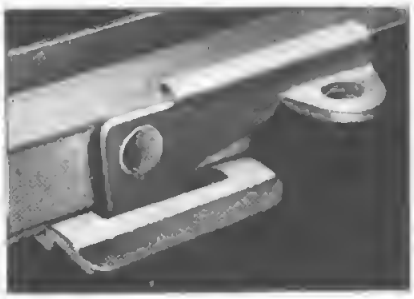
FIRE-SAFE & VERMIN-PROOF — Steel won't burn. Your home is provided with added protection from neighboring fires. . . . Steel is impervious to rats and termites. It will not rot or splinter, offering a starting place for various insects.

LOW COST—Mass production of Fenestra Basement Windows allows a low selling price. Also, savings through reduced maintenance costs result from the use of weather-resistant steel Basement Windows.

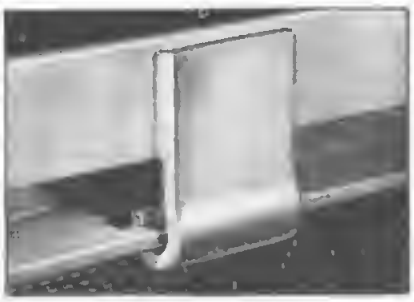
BASEMENT WINDOW HARDWARE



STAY PART 1924—Holds the sash securely open. Lets lots of fresh air into basement.

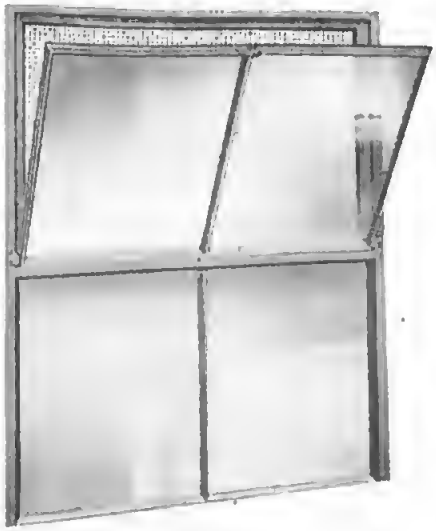


LOCKING HANDLE PART 1927, KEEPER PART 1926—Hold sash tight against the frame.



HINGE PART 1923—Strong, lasting construction. Allows ease of operating sash.

UTILITY WINDOWS



Fenestra Utility Window.

THE FENESTRA Utility Window is a sturdy, two-lights-high window, with an open-in sash in the upper section. It provides improved lighting and better ventilation at minimum expense.

Made of solid steel sections, these windows always open and close easily, regardless of weather conditions. Steel does not warp or swell, causing the sash to stick in the frame.

When the window is closed, the sash and frame form a weather-tight unit. . . . The window's slender steel sections allow more glass in each opening. Result: more daylight, better view of the outdoors. . . . The open-in sash deflects air upward, preventing frontal drafts.

Other advantages offered in Fenestra Utility Windows are fire safety, resistance to rats and termites, easy attachment of Fenestra All-Metal Screens, a design that fits concrete block construction, the permanence of steel, easy installation and low cost.

SUGGESTED LOCATIONS

Ideal for private garages, shops, farm buildings, small commercial buildings; basement areaways, high basements and the high downhill sides of basements.

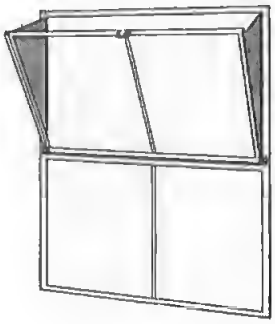
STURDY LATCH

Latch part 1928, simply operated and substantial. It holds sash tight against frame, providing a weather-tight window closing. It is firmly attached to sash and locks window securely.

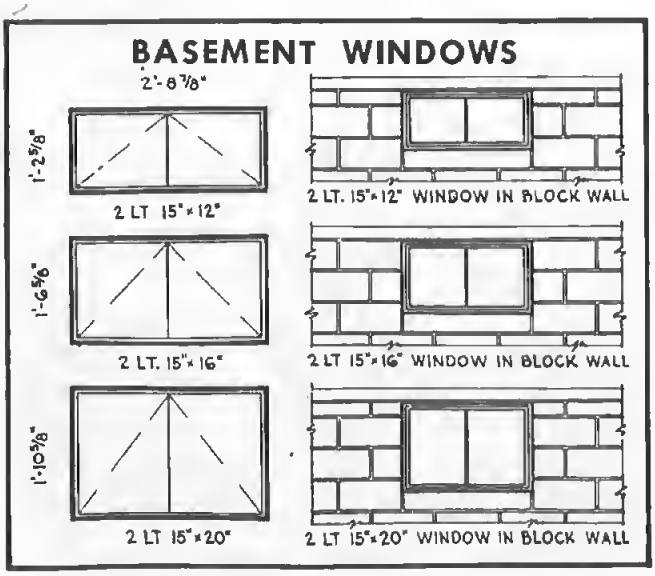
DRAFT GUARDS

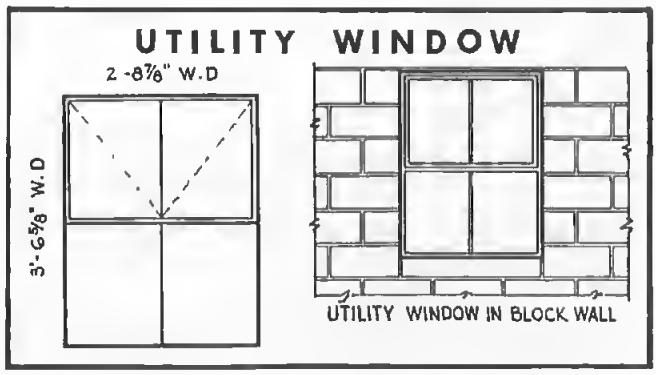
Strong, durable Draft Guards, made from pressed steel, are available to close the triangular openings at jambs. These convenient guards are important accessories for dairy barns and other farm buildings that require full draft protection.

Draft Guards are quickly and easily attached to any Fenestra Utility Window. The sash may be opened beyond guarded area when desired . . . Draft Guards are supplied at slight cost.



BASEMENT AND UTILITY WINDOW TYPES AND SIZES





DESIGNED TO FIT CONCRETE BLOCK

Fenestra Basement and Utility Windows have been especially designed to fit openings in walls of standard concrete blocks (see sketches). In addition, their convenient sizes permit easy installation in the many other kinds of construction.

DETROIT STEEL PRODUCTS COMPANY

General Offices and Factory: 2250 East Grand Blvd., Detroit 11, Mich.

Pacific Coast Plant: 1310 63rd St., Emeryville 8 (Oakland), Calif.

Local Representatives in 200 Principal Cities. See "FENESTRA STEEL WINDOW COMPANY" in the local Telephone Directory

EASTERN TERRITORY OFFICES

ATLANTA (3) . . . . . 601 Mortgage Guarantee Bldg.
BALTIMORE (1) . . . . . 13 West Franklin Street
BOSTON (8) . . . . . 44 Bromfield Street
CHICAGO (11) . . . . . 840 North Michigan Avenue
CINCINNATI (2) . . . . . 302—2nd Nat'l Bank Bldg.
CLEVELAND (15) . . . . . 1020 Keith Bldg.
DALLAS (2) . . . . . 2310 Griffin Street
DETROIT (11) . . . . . 2250 East Grand Boulevard
NEW YORK (17) . . . . . 441 Lexington Avenue
OMAHA (2) . . . . . Omaha National Bank Bldg.
PHILADELPHIA (3) . . . . . 504 Architects Bldg.
PITTSBURGH (13) . . . . . 434 Melwood Avenue
WASHINGTON (5) . . . . . 14th and K Streets, N.W.

PACIFIC COAST OFFICES

LOS ANGELES (13) . . . . . 816 West Fifth Street
SAN FRANCISCO (4) . . . . . 940 Russ Bldg.
SEATTLE (1) . . . . . 1002 Northern Life Tower

Fenestra

RESIDENCE CASEMENTS • BASEMENT WINDOWS • UTILITY WINDOWS

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